



# NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090575-B

Mode: Highway

Status: Submitted

## NC-54

From/Cross Street: Weston Parkway

Specific Improvement Type: 1 - Widen Existing Roadway

To: Perimeter Park Drive

Project Category: Regional Impact

Length: 2.39

TIP#: FS-1005B

Fully Funded in Draft STIP? No

Cost to NCDOT: \$23,073,000

### Description:

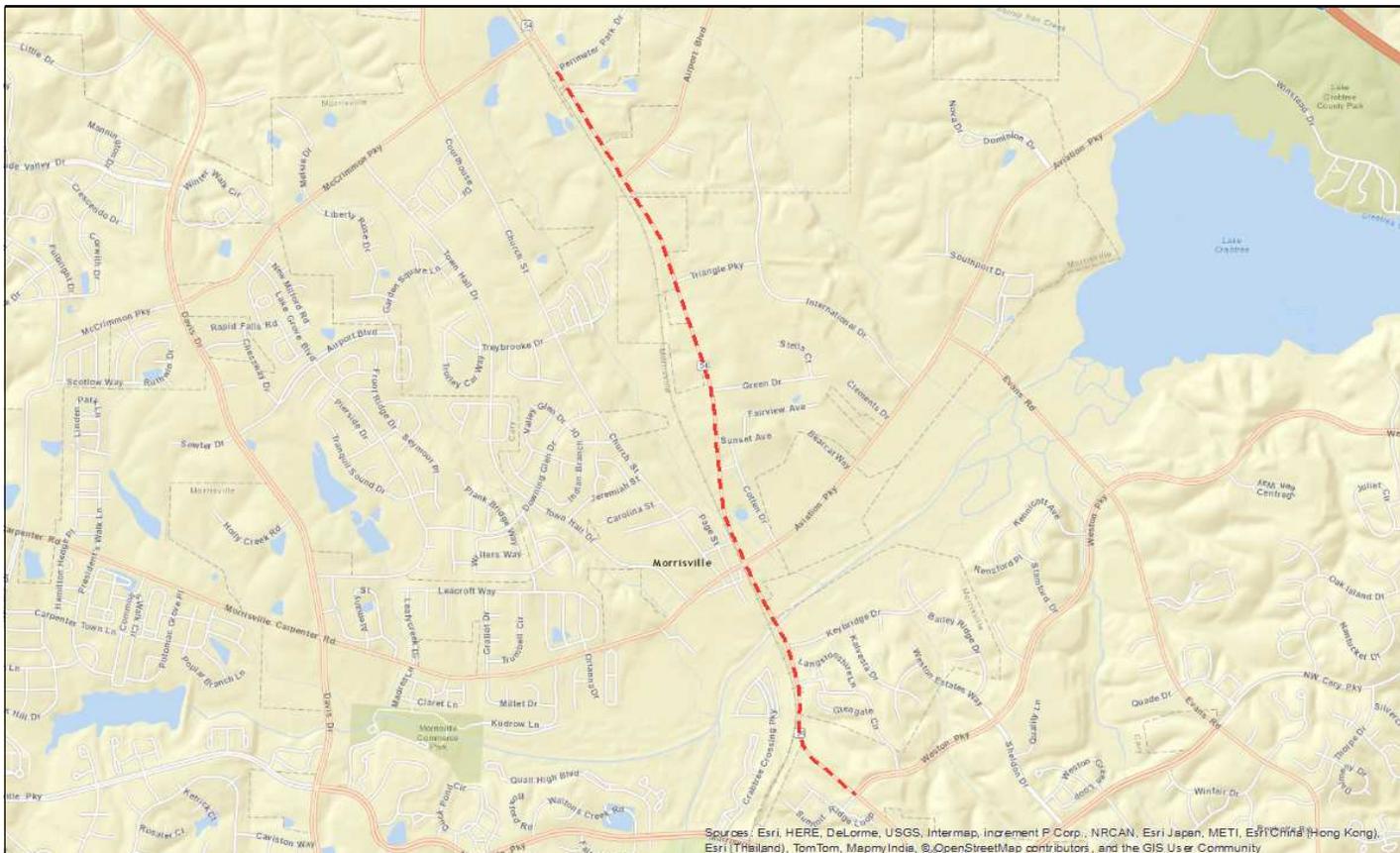
Widen from 2 to 4 Lanes.

Division(s): Division 5

County(s): WAKE

MPOS(s)/RPO(s): Capital Area MPO

### Project Location



**Statewide Mobility Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	N/A	N/A
<b>Totals: Weight: 0% Weighted Score: 0</b>		

**Regional Impact Total Score: 60.49**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 69.15	Percent: 15% Points: 100	Percent: 15% Points: 100
Safety (10%) 84.07		
[Travel Time] Benefit/Cost (25%) 5.66		
Accessibility / Connectivity (10%) 33.84		
<b>Totals: Weight: 70% Weighted Score: 30.49</b>		

**Division Needs Total Score: 23.37**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 69.15	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 84.07		
[Travel Time] Benefit/Cost (20%) 5.66		
<b>Totals: Weight: 50% Weighted Score: 23.37</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	2.39
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	17510.32
Capacity:	16906.3
Volume/Capacity Ratio:	1.04
% Autos:	94%
% Trucks:	6%
Truck Volume:	991.26
Crash Density:	99.79
Crash Severity:	59.59
Critical Crash Rate:	92.84
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	34
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	80
Actual Congested Speed:	32.67
Travel Time Index:	1.38

**Project Benefits**

Project Cross-Section:	4C - 4 Lane Divided (23' Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	2.39
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	5803900.63
Travel Time Savings for 30 Years (Autos):	5475340.22
Travel Time Savings for 30 Years (Trucks):	328560.41
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 5

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership**

**Division**

Division	Percent	Regional Impact	Division Needs
Division 5	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

MPO/RPO	Percent	Regional Impact	Division Needs
Capital Area MPO	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$17,096,000	Cost Estimation Tool
Right-of-Way Cost:	\$5,337,000	Cost Estimation Tool
Utilities Cost:	\$640,000	Cost Estimation Tool
Total Project Cost:	\$23,073,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$23,073,000</b>	